

We claim:

1. A padlock comprising:

a lock body having a first chamber and a second chamber therein, said lock body having a receptacle thereon and a hole communicable to said first chamber;

5 a shackle having:

a longer arm slidably received in said first chamber through said hole of said lock body, said longer arm having a stop at an end thereof; and

a shorter arm engagable with said receptacle of said block;

a private locking means formed in said first chamber, said private locking

10 means comprising:

a frame having a sliding space therein, said frame having a first opening on top thereof for receiving said end and said stop of said longer arm in said sliding space; and

a mechanism for controlling movements of said frame, said frame

15 being movable between said mechanism and said hole of said lock body; and

a general locking means installed in said second chamber for controlling movements of said end and said stop of said longer arm.

2. The padlock as claimed in claim 1 wherein said general locking means is a key operated locking means and said private locking means is a combination locking means.

20 3. The padlock as claimed in claim 1 wherein said general locking means comprising:

a ball;

a first block comprising:

25 a horizontal beam having an engaging protrusion thereon; and

a vertical beam extended from an end of said horizontal beam, said vertical beam having a hook at an end thereof;

at least one restoring spring engaged with said vertical beam of said first block;

5 a second block comprising:

a block body having a depression therein for receiving said ball;

a first rod extended from said block body, said first rod having two teeth thereon engagable with said hook of said vertical beam;

10 a guiding rod extended from said block body, said guiding rod being engagable with a guiding channel of said lock body; and

a compress spring engaged with a bottom of said block body.

4. The padlock as claimed in claim 1 wherein said general locking means comprising:

a moving block having a recess with an inclined surface at bottom thereof;

15 a driving bar having a sliding channel therein, said driving bar being engaged to driving said moving block;

a sliding element having a cylinder thereon, said sliding element being slidably received in said sliding channel of said driving bar;

20 a sliding track formed in said lock body, said sliding track having a main track and a branch track extended from middle of said main track; and

a spiral spring engaged with said driving bar;

wherein said cylinder of said sliding element is slidably received in said sliding track.

5. The padlock as claimed in claim 1 further comprising a spring located between said stop and an inner bottom of said frame.

6. The padlock as claimed in claim 1 wherein said lock body comprises a front cover and a back cover engaged with said front cover.

7. The padlock as claimed in claim 2 wherein said key operated locking means comprises: a body having a rotor received therein and a driving rod extended
5 from said rotor, said rotor having a keyhole at a bottom end thereof for being engaged with a key, said driving rod having a slot therein, and an engaging element having one end slidably received in said slot, wherein the other end of said engaging element can be rotated by said key through a second opening of said frame to a position between a top of said frame and said stop to block movements of said stop.

10 8. The padlock as claimed in claim 2 wherein said key operated locking means comprises: a body having a rotor received therein and a driving rod extended from said rotor, said rotor having a keyhole at a bottom end thereof for being engaged with a key, said driving rod having a slot therein, and an engaging element having one end pivotally connected in said slot, wherein the other end of said engaging element
15 can be rotated by said key through a second opening of said frame to a position between an inner top of said frame and said stop to block movements of said stop within said sliding space.

9. The padlock as claimed in claim 2 wherein said frame of said private locking means further comprising a spring plate mounted therein, said spring plate
20 having two bends at upper and lower portion thereof and a swelling between said two bends.

10. The padlock as claimed in claim 3 wherein said general locking means further comprising a key operated locking means comprising a body having a rotor received therein and a hemi-cylinder extended from said rotor, said rotor having a
25 keyhole at a bottom end thereof for being engaged with a key, said hemi-cylinder

being engaged with said engaging protrusion of said horizontal beam of said first block.

11. The padlock as claimed in claim 4 wherein said mechanism of said combination locking means comprises a stem connected to said frame and plural
5 number wheels rotatably mounted around said stem for controlling vertical movement of said frame.

12. The padlock as claimed in claim 4 wherein said general locking means further comprising:

a tongue having an inclined surface engagable with said inclined surface of
10 said recess of said moving block, said tongue having a room therein;
a lever mounted in said lock body; and
a spring installed with one end against a top surface of said room of said tongue and with another end against said lever.

13. The padlock as claimed in claim 10 wherein said general locking means
15 further comprising a key operated locking means comprising a body having a rotor received therein and a hemi-cylinder extended from said rotor, said rotor having a keyhole at a bottom end thereof for being engaged with a key, said hemi-cylinder being engaged with said tongue.